

Notice of Allowability	Application No.	Applicant(s)	
	09/918,262	RANDALL, STEPHEN MICHAEL	
	Examiner	Art Unit	
	Jacob Y. Choi	2875	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 11/23/2004.
2. ☒ The allowed claim(s) is/are 1-26 and 28-33.
3. ☒ The drawings filed on 7/30/2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| <ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ 7. <input type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____ |
|---|---|

Allowable Subject Matter

1. Claims 1-26 and 28-33 are allowed. The following is a statement of reasons for the indication of allowable subject matter: independent claim 1 recites an illumination device comprising a light emitting diode that emits a radiation pattern, a number of light guides positioned to be illuminated by the light emitting diode, wherein each light guide is positioned such that a cross-sectional center of each light guide substantially corresponds to location of the maximum luminous intensity of the radiation pattern of the light emitting diode.

Another independent claim 9 recites an illumination device comprising a light emitting diode that emits a radiation pattern, at least one light guide positioned to be illuminated by the light emitting diode, wherein each light guide is positioned such that a cross-sectional center of each light guide substantially corresponds to location of the maximum luminous intensity of the radiation pattern of the light emitting diode.

Another independent claim 14 recites an illumination device comprising a light emitting diode that emits a radiation pattern, a first and second light guide is positioned such that a cross-sectional center of the first light guide substantially corresponds to a first location of the maximum luminous intensity of the radiation pattern of the light emitting diode.

Another independent claim 24 recites an illumination device comprising a light emitting diode that emits a radiation pattern, a cross sectional center of each light guide substantially corresponds to locations of the maximum luminous intensity of the radiation pattern of the light emitting diode.

Another independent claim 26 recites a sign comprising a light emitting diode that emits a radiation, each light guide is positioned such that a cross sectional center of each light guide substantially corresponds to locations of the maximum luminous intensity of the radiation pattern of the light emitting diode.

Yet, another independent claim 30 recites a sign comprising a first and second emitting diode that emits a radiation pattern, the first and second light guides are positioned such that a cross sectional center of each light guide substantially corresponds to locations of the maximum luminous intensity of the radiation pattern of each of the light emitting diode.

Yoneda (USPN 6,595,674) discloses a light emitting diodes & optical fiber(s) wherein each light guide positioned at offset locations relative to the center axis of the light emitting diode.

Petell et al. (USPN 6,302,570) discloses a frame (150B), a light emitting diode (390, 391) housed within the frame, a first light guide (341) positioned to be illuminated by the light emitting diode, wherein the first light guide provides directional side lighting in a first direction, and a second light guide positioned to be illuminated by the light emitting diode, wherein the second light guide provides directional side lighting in a second direction (light guide bundle 340 & 341 carries more than one light guide per bundle).

Because none of the references disclosed the detailed structure of the each light guide is positioned such that a cross-sectional center of each light guide corresponds to location of the maximum luminous intensity of the radiation pattern of the LED, nor is

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there any motivation to combine them, the claims are deemed patentable over the prior art of record.

Response to Amendment

2. Examiner acknowledges that the applicant has canceled claims 35-38. Claims 1-26 and 28-33 are pending in this application

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jacob Y. Choi whose telephone number is (571) 272-2367. The examiner can normally be reached on Monday-Friday (10:00-7:00).


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sandra O'Shea can be reached on (571) 272-2378. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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JOHN ANTHONY WARD
PRIMARY EXAMINER